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4 (6) CHARACTERISTICS

4 OF THE

4 CLASS OF 1984,

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CHARACTERISTICS OF THE CLASS OF 1984

Report No. 81-004

Project No. 350

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ABSTRACT

This report presents the biographical characteristics and achievements of the 1,457 new cadets and nine re-entered or turned back cadets who entered the United States Military Academy in the Class of 1984.

NOTE: Any conclusions in this report are not to be construed as official U.S. Military Academy or Department of the Army positions unless so designated by other authorized documents.

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THE DIRECTOR OF INSTITUTIONAL RESEARCH
UNITED STATES MILITARY ACADEMY
WEST POINT, NEW YORK 10996

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PREFACE

This report presents the biographical characteristics and achievements of the 1,457 new cadets and the 9 re-entered or turned back cadets who entered the Class of 1984. The admission scores listed in Table 1 are for the 1,011 cadets whose admission was based on the CEER, while Tables 2 and 3 are for the 455 cadets whose admission was based on American College Test scores. Tables 4 through 17 are based on all cadets. The following abbreviations, explanations and definitions of terms apply in this report.

CEER	A statistically derived weighted composite score of two College Entrance Examination Board tests (Scholastic Aptitude Test-Verbal, Scholastic Aptitude Test-Mathematics), and a standardized high school rank score.
High School Rank	This is a score derived by converting the actual high school rank to a standard score, using a formula developed by the Educational Testing Service.
Whole Candidate Score	This is a weighted composite score of the CEER or ACEER, the Physical Aptitude Examination score and the Leadership Potential Score.
Physical Aptitude Examination Score	This is a standardized score developed to measure physical capabilities.
Leadership Potential Score	This is a score derived from the ratings of the candidate by his/her secondary school teachers and evaluations by admissions officials of his/her type of participation in athletic and other school and community activities.
ACT	American College Testing Program.
ACEER	A statistically derived weighted composite score of ACT tests and High School Rank converted to the 200-800 range of the CEER.

TABLE 1
 DISTRIBUTION OF SCORES ON ACADEMIC QUALIFICATION MEASURES
 (For those admitted by use of CEER)

Score Ranges	Scholastic Aptitude Verbal		Scholastic Aptitude Mathematics		CEER	
	N	Cum %	N	Cum %	N	Cum %
750-800	7	100%	27	100%	3	100%
700-749	35	99	122	97	27	100
650-699	87	96	216	85	110	97
600-649	157	87	324	64	300	86
550-599	249	72	196	32	322	57
500-549	242	47	98	13	185	25
450-499	167	23	27	3	59	6
400-449	57	7	1	0	4	1
350-399	10	1	0	0	1	0
 Total	1011		1011		1011	
Mean	552		623		589	
S.D.	77		67		58	

TABLE 2

DISTRIBUTION OF SCORES ON ACADEMIC QUALIFICATION MEASURES
(For those admitted by use of ACEER)

Score Ranges	ACT-ENG		ACT-MATH		ACT-N.S.		ACT-S.S.	
	N	Cum %	N	Cum %	N	Cum %	N	Cum %
34-36	0	100%	52	100%	19	100%	0	100%
31-33	9	100	69	89	143	96	32	100
28-30	42	98	166	73	152	64	96	92
25-27	83	89	143	37	83	31	127	69
22-24	194	71	23	6	37	13	87	39
19-21	100	28	2	1	18	5	42	19
16-18	18	6	0	0	3	1	21	9
13-15	8	2	0	0	0	0	12	4
10-12	2	0	0	0	0	0	8	2
Total	455		455		455		425	
Mean	25.2		28.9		28.7		24.9	
S.D.	3.3		3.2		3.5		4.6	

TABLE 3
 DISTRIBUTION OF ACEER SCORES
 (For those admitted by use of ACT scores)

<u>Score Ranges</u>	ACEER	
	N	Cum %
750-800	0	100%
700-749	6	100
650-699	60	99
600-649	119	86
550-599	158	59
500-549	92	25
450-499	19	4
400-449	1	0
350-399	0	0
300-349	0	0
Total	455	
Mean	589	
S.D.	55	

TABLE 4
DISTRIBUTION OF SCORES ON PAE, LPS AND HSR
(For all admitted cadets)

Score Ranges	Physical Aptitude* (PAE)				Leadership Potential (LPS)		High School Rank (HSR)	
	Male		Female		N	Cum %	N	Cum %
	N	%	N	%				
750-800	19	100%	4	100%	4	100%	61	100%
700-749	50	99	6	97	61	100	53	96
650-699	114	95	10	93	287	96	180	92
600-649	188	86	15	87	434	76	228	80
550-599	309	71	17	77	349	46	284	64
500-549	325	48	34	66	217	23	330	45
450-499	207	23	43	43	88	8	152	23
400-449	79	7	20	15	24	2	103	12
350-399	3	1	1	1	2	0	53	5
300-349	1	0	0	1	0	0	13	2
250-299	1	0	1	1	0	0	8	1
200-249	2	0	0	0	0	0	1	0
Total	1298		151		1466		1466	
Mean	560		534		600		556	
S.D.	80		92		66		100	

*Distribution of PAE scores are shown separately for male and female cadets as they are scored on different events.

TABLE 5
DISTRIBUTION OF WHOLE CANDIDATE SCORES
(For all admitted cadets)

<u>Score Ranges</u>	<u>N</u>	<u>Cum %</u>
7000-7249	2	100%
6750-6999	16	100
6500-6749	56	99
6250-6499	144	95
6000-6249	317	85
5750-5999	498	64
5500-5749	212	30
5250-5499	158	15
5000-5249	50	4
4750-4999	10	1
4500-4749	5	0
 Total	1456	
Mean	5891	
S.D.	364	

TABLE 6
MEANS AND STANDARD DEVIATIONS OF SCORES
OF MALE AND FEMALE CADETS

	WCS		HSR		LPS		PAE*	
	<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>
N	1315	151	1315	151	1315	151	1298	151
Mean	5898	5826	553	578	601	583	560	534
S.D.	362	374	101	90	65	72	80	92
	ACEER		CEER		SAT-V		SAT-M	
	<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>
N	410	45	905	106	905	106	905	106
Mean	588	597	589	588	550	573	626	602
S.D.	53	55	60	54	76	75	66	68
	ACT-EN		ACT-MA		ACT-NS		ACT-SS	
	<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>
N	410	45	410	45	410	45	582	43
Mean	23.2	23.6	29.0	28.2	28.8	27.9	25.1	22.9
S.D.	3.3	3.1	3.2	3.3	3.5	3.4	4.6	4.6

*PAE scale for females is not the same as the scale for males.

TABLE 7-1
DISTRIBUTION OF HEIGHT AND WEIGHT
(Female Cadets)

Height			Weight		
<u>Inches</u>	<u>No.</u>	<u>%</u>	<u>Pounds</u>	<u>No.</u>	<u>%</u>
72-73	1	0.7%	180-189	1	0.7%
70-71	9	5.0	150-159	8	5.3
68-69	19	12.7	140-149	17	11.2
66-67	43	28.7	130-139	38	25.7
64-65	46	30.7	120-129	38	25.7
62-63	21	14.0	110-119	41	27.0
60-61	7	4.7	100-109	2	1.3
58-59	2	1.3	90-99	4	2.6
56-57	1	0.7			
Total	149	100			
Mean	64.89		Total	149	100
S.D.	2.75		Mean	127.25	
			S.D.	13.50	

TABLE 7-2
DISTRIBUTION OF HEIGHT AND WEIGHT
(Male Cadets)

Height			Weight		
<u>Inches</u>	<u>No.</u>	<u>%</u>	<u>Pounds</u>	<u>No.</u>	<u>%</u>
82-83	0	0.0%	250-259	1	0.1%
80-81	1	0.1	240-249	3	0.2
78-79	6	0.5	230-239	10	0.8
76-77	33	2.5	220-229	6	0.5
74-75	157	10.4	210-219	23	1.7
72-73	308	23.4	200-209	37	2.8
70-71	347	26.4	190-199	51	3.9
68-69	282	21.4	180-189	115	8.7
66-67	157	11.9	170-179	172	13.1
64-65	32	2.4	160-169	229	17.4
62-63	6	0.5	150-159	255	19.4
60-61	4	0.3	140-149	205	15.4
58-59	1	0.1	130-139	159	10.6
56-57	1	0.1	120-129	56	4.3
54-55	1	0.1	110-119	11	0.8
			100-109	5	0.4
Total	1516	100	Total	1516	100
Mean	69.93		Mean	160.70	
S.D.	2.95		S.D.	22.52	

TABLE 8
HIGH SCHOOL CHARACTERISTICS

	Number	Percent
High School Graduate		
Yes.....	1460	99.9%
No.....	2	0.1%
Type of High School in which Senior Year was Completed		
Did not complete senior year.....	2	0.1
Public (Include HS in foreign country).....	1246	85.2
Private (Non-Military).....	184	12.6
Private (Military).....	28	1.9
Rank in Graduating Class		
Did not graduate.....	2	0.1
Top Fifth.....	1003	68.6
Second Fifth.....	355	22.9
Third Fifth.....	102	7.0
Fourth Fifth.....	16	1.1
Bottom Fifth.....	4	0.3
Selected as Valedictorian (First in the Class).....	58	4.0
Selected as Salutatorian (Second in the Class).....	60	4.1
Number of High Schools Attended		
One.....	1131	77.6
Two.....	251	16.5
Three.....	62	4.3
Four or more.....	22	1.5

TABLE 9
SUBJECT EXPOSURE

	Number	Percent
Studied the Following Mathematics and Science Course(s)		
Physics.....	1207	82.8%
Chemistry.....	1369	94.0
Biology.....	1345	92.3
General Science.....	1072	75.6
Trigonometry.....	1364	93.6
Solid Geometry.....	1217	85.5
Calculus.....	715	49.1
Studied the Following Foreign Language(s)		
Spanish.....	580	39.8
French.....	453	29.7
German.....	290	19.9
Other.....	213	14.6
Completed an Honor Course in Any Subject.....	953	65.4

TABLE 10
AWARDS AND SCHOLARSHIPS

	Number	Percent
Received Following Awards		
National Honor Society.....	825	56.6%
Bausch and Lomb Science Award.....	30	2.1
American Legion Award.....	136	9.3
Boy's State or Girl's State Delegate.....	333	22.9
Other National Awards.....	397	27.3
Took the National Merit/Achievement Scholarship Examination		
Yes, and received commendation.....	150	10.3
Yes, was semi-finalist.....	22	1.5
Yes, was finalist.....	37	2.5
Yes, was merit scholar.....	19	1.3

TABLE 11
SCHOLARSHIPS

	Number	Percent
Number of Academic Scholarships		
None.....	837	57.5%
One.....	307	21.1
Two or three.....	239	16.4
Four or five.....	55	3.8
Six or more.....	16	1.1
Number of Athletic Scholarships		
None.....	1282	88.0
One.....	86	5.9
Two or three.....	57	3.9
Four or five.....	13	0.9
Six or more.....	14	1.0
Received the Following Military Scholarships*		
Army ROTC Scholarship.....	246	16.9
Navy ROTC Scholarship.....	175	12.0
Air Force ROTC Scholarship.....	142	9.8
Other ROTC Scholarship.....	45	3.1

*May be more than one.

TABLE 12
CLUBS AND POSITIONS HELD OR AWARDS OBTAINED

	Number	Percent
Elected or Appointed to Following High School Positions		
President of High School Senior Class.....	68	4.7%
Senior Class Officer (Other than President).....	235	16.1
President, Student Body.....	63	4.3
President, High School Class (Other than Senior Class)....	128	8.8
President, Student Council.....	83	5.7
Participated in or Held Following High School Positions*		
Debating or Forensic Society.....	158	10.8
Thespian or Dramatic Club.....	229	15.7
Glee Club.....	130	8.9
High School Band.....	291	20.0
Staff, School Paper.....	251	17.2
Editor or Co-Editor, School Paper.....	96	6.6
Staff, Yearbook or Annual.....	233	16.0
Editor or Co-Editor, Yearbook or Annual.....	83	5.7
Presently is or Has Been One of the Following		
Boy Scout/Girl Scout.....	733	50.3
Explorer Scout.....	135	9.3
Sea Scout.....	20	1.4
Air Scout.....	31	2.1
Camp Counselor.....	181	12.4
Order of the Arrow.....	161	11.1
Eagle Scout (Boys)/First Class Scout (Girls).....	174	11.9

*May be more than one.

TABLE 13
NOMINATIONS AND APPOINTMENTS

	Number	Percent
Federal Academies where Nomination was Attempted*		
Naval Academy.....	468	32.1%
Air Force Academy.....	465	31.9
Coast Guard Academy.....	176	12.1
Merchant Marine Academy.....	87	6.0
Federal Academies where Appointment was Received*		
Naval Academy.....	93	6.4
Air Force Academy.....	92	6.3
Coast Guard Academy.....	73	5.0
Merchant Marine Academy.....	38	2.6
First Choice of Schools was:		
US Military Academy.....	1139	78.2
US Air Force Academy.....	133	9.1
US Naval Academy.....	53	3.6
US Coast Guard Academy.....	13	0.9
US Merchant Marine Academy.....	0	0
A Civilian Liberal Arts College.....	37	2.5
A Civilian Engineering Technical College.....	44	3.0
Another Type of College.....	21	1.4

*May be more than one.

TABLE 14
FATHER'S MILITARY STATUS AND RANK

	Number	Percent
Father's Past Military Service and Current Status		
No Military Service or Don't Know.....	526	36.1%
Career in Military Service Terminated for Physical Disability.....	26	1.8
Not in Reserve Status; Served Two or More Tours on Active Duty.....	95	6.5
Served 20 Years or More and Retired.....	181	12.4
Served Only During a War or for One Peacetime Tour.....	412	28.3
Now on Full Time Active Duty; Served Two or More Tours on Active Duty.....	113	7.8
Inactive Reserve Status; Served Two or More Tours on Active Duty.....	29	2.0
Now in Reserves or National Guard.....	39	2.7
Died While on Active Duty.....	2	0.1
Father's Highest Grade**		
E1 - E3 (Private or PFC).....	128	8.8
E4 - E6 (Corporal through Staff Sergeant).....	221	15.2
E7 - E9 (Platoon Sergeant through Sergeant Major).....	112	7.7
Warrant Officer.....	23	1.6
Lieutenant or Captain.....	80	5.5
Major.....	57	3.9
Lieutenant Colonel.....	89	6.1
Colonel.....	70	4.8
General Officer.....	8	0.6

**Army Grade or AF, Navy & Marine Corps equivalent.

TABLE 15
CLASS YEAR OF FATHERS WHO ARE USMA GRADUATES

<u>Year</u>	<u>No.</u>	<u>Year</u>	<u>No.</u>
1961	4	1948	1
1960	8	1946	2
1959	10	1945	5
1958	4	1943	1
1957	2		
1956	5		
1955	6		
1954	2		
1953	2		
1952	1		
1951	1		
Total 54			

TABLE 16
SPORT PARTICIPATION

	Number	Percent
Participated in Varsity Athletics.....	1314	90.2%
Earned Varsity Letter.....	1228	84.3
Varsity Team Captain.....	688	47.2

TABLE 17
MISCELLANEOUS

	Number	Percent
Taken College Level Courses After High School in One of the Following		
A Junior, Community, Extension or Branch College with a one or two-year program only.....	72	4.9%
Other Institution with less than a four-year program.....	25	1.7
A Four-year College, not part of a University.....	26	1.8
A University, including its separate Colleges.....	74	5.1
Not Applicable.....	1251	85.9
Attended U.S. Military Academy Preparatory School.....	191	13.1

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